☺ *** SUBSTITUTION *** ☺

Lesson 4.5

PROBLEMS

(a) $\int \frac{x}{\cos^2\left(x^2\right)} dx$

(b) $\int \frac{9r^2}{\sqrt{1-r^3}} dr$

PROBLEMS

(a) $\int \sin^3 x \cos x \, dx$

(b) $\int \sec(2z)\tan(2z)\, dz$

(c) $\int \sec^2\theta \tan^4\theta \, d\theta$

(d) $\int v^5\sqrt{1+v^2}\, dv$

(e) $\int \frac{\cos\left(\frac{1}{\theta}\right)}{\theta^2} d\theta$

(f) $\int x\sqrt{9-x^2}\, dx$

(g) $\int (3x+4)^{10}\, dx$